Recombinant FINC protein (His tag)

Catalog Number	544288
Synonyms	FN; Cold-insoluble globulin; CIG
Species	Human
Expression System	E. coli
Accession	P02751
Molecular Weight	Predictes a molecular mass of 21.44 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	730-911
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 730-911 aa (P02751) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Fibronectin Fragment (aa 730-911) is a highly purified protein fragment encompassing the Fibronectin type-III 3 domain, designed for targeted studies of cell adhesion, matrix assembly, and integrin-mediated signaling pathways. Fibronectin is a multifunctional glycoprotein that plays a critical role in cell adhesion, motility, wound healing, and maintenance of cell shape by binding to cell surfaces and extracellular components such as collagen, fibrin, and heparin. It is secreted into the extracellular space and matrix, where it participates in processes like osteoblast mineralization and fibrillogenesis. The full-length protein also functions in immune regulation by acting as a ligand for receptors like LILRB4, and its cleavage product Anastellin promotes fibril formation and exhibits anti-tumor properties. This fragment provides a focused tool for investigating the specific functions attributed to the Fibronectin type-III 3 domain within these broader biological contexts.